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Notice of Allowability

Application No.

10/628,151

Examiner

BRENT STACE

Applicant(s)

KATZER, ROBIN DALE

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 2/4/08.
2. ☒ The allowed claim(s) is/are 1,2,5,6,8-20 and 22-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20080314.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

[Handwritten signature]
APM Mofiz
SPE TC 2161

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Brian Genco on 3/14/08.

2. **In the Claims:**

Please replace Claims 1, 14, and 24 with amended Claims 1, 14, and 24.

1. (Currently Amended) An application specific cache management system stored on a computer readable medium, comprising:

an in-memory database system for managing application specific cached data;

an application utilizing application specific data and having a rule related to caching the application specific data, wherein the application defines the rule for the application specific cache;

a wrapper to receive the application specific data from the application and provide at least a portion of the application specific data and a component of the rule to the in-memory database system, wherein the at least the portion of application specific data is the application specific cache data;

a rules event table stored in the in-memory database system containing at least one entry comprising a rule type and a reference to the application specific data, the rule type associated with the rule defined by the application; and

an engine that polls the rules event table, determines that an entry in the rules event table has a rule type that is ready to execute, and applies the rule associated with the rule type of the entry to the application specific cached data referenced by the entry in response to the engine determining that the rule type is ready to execute, wherein the engine determines that the rule type is ready to execute without the involvement of the application, the in-memory database system, or a back office database.

14. (Currently Amended) A system stored on a computer readable medium for managing application specific cached data, comprising:

a first application server;

an application operable on the first application server, the application utilizing data and having a rule related to an application specific cache management of the data, wherein the application defines the rules for the application specific cache;

a second application server;

an in-memory database management system operable on the second application server to receive the data;

a wrapper in communication with the application to receive a component of the rule from the application and provide the component of the rule to the in-memory database system;

a rules event table stored in the in-memory database system containing at least one entry comprising a rule type and a reference to the application specific data, the rule type associated with the rule defined by the application; and

an engine that polls the rules event table, determines that an entry in the rules event table has a rule type that is ready to execute, and applies the rule associated with the rule type that is ready to execute to the application specific cached data referenced by the entry, wherein the engine determines that the entry in the rules event table has the rule type that is ready to execute without the involvement of the application, the in-memory database management system, or a back office database.

24. (Currently Amended) A cache management system stored on a computer readable medium, comprising:

an application utilizing data and having a rule related to caching the data, wherein the application defines the rules for the application specific cache;

an in-memory database management system to receive data;

a wrapper in communication with the application to receive at least a component of the rule;

a rules event table stored in the in-memory database system containing at least one entry comprising a rule type and a reference to the data, the rule type associated with the rule defined by the application; and

an engine that polls the rules event table, determines that an entry in the rules event table has a rule type that is ready to execute, and applies the rule associated with

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the rule type of the entry to the application specific cached data referenced by the entry in response to the engine determining that the rule type is ready to execute, wherein the engine determines that the entry in the rules event table has the rule type that is ready to execute without the involvement of the application, the in-memory database system, or a back office database.

Allowable Subject Matter

3. Claims 1, 2, 5, 6, 8-20, and 22-32 are allowed.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRENT STACE whose telephone number is (571)272-8372 and fax number is 571-273-8372. The examiner can normally be reached on M-F 9am-5:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Apu M. Mofiz can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/BRENT STACE/

Examiner, Art Unit 2161

/Apu M Mofiz/

Supervisory Patent Examiner, Art Unit 2161